

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Marketing Service
Fruit and Vegetable Programs
Processed Products Branch

FILE CODE
105-A-15

August 2008

Supersedes File Code Dated June 2006

**SUBJECT: Visual Aids Approved For Use in Ascertaining Grades of
Processed Fruits and Vegetables.**


TO: All Inspectors

This File Code contains a list of approved Visual Aids that have been developed by the Processed Products Branch. These aids are used for interpreting various quality factors in official U.S. grade standards. Prices and further information as to the availability of these aids may be obtained from the authorized suppliers. The price and availability of any of the aids are subject to change without notice.

Further information as to the interpretation or application of these aids in accordance with the U.S. grade standards and copies of the grade standards are available from:

Chief, Processed Products Branch
Fruit and Vegetable Programs, AMS
U.S. Department of Agriculture
1400 Independence Avenue, SW, STOP 0247
Washington, D.C. 20250-0247

Telephone: (202) 720-4693
Fax: (202) 690-1527


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Branch Chief

Distribution:A
Agriculture:Washington

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Agtron, Inc.
9395 Double R Boulevard
Reno, Nevada 89511
Telephone: (775) 850-4600
Fax: (775) 850-4611
E-mail: agtron@aol.com
www.agtron.net

Licensed supplier of the following products:

CANNED TOMATOES

USDA color standard in the form of a plastic color chip. The USDA color standard for canned tomatoes represents minimum red color requirements as specified in the U.S. Standards for Grades of Canned Tomatoes, U.S. Grade "C" or better. November 1956 edition.

Part No. **311547** Price: **\$52.50**

ORANGE JUICE (Processed)

USDA color standards in the form of six plastic tubes. The USDA colors 1, 2, 3, 4, 5, and 6 represent processed orange juice points of reference corresponding to the color scores 40 points through 32 points, respectively. The six tubes are available as a set in the 1983 edition.

Part No. **314087** Price: **\$315.00**

CANNED SAUERKRAUT

USDA color standards in the form of textured plastic disks. The USDA color standards for canned sauerkraut include limits for the predominating characteristic color and brightness of the product. The slightly greenish color in U.S. Grade B is represented by No. 1B, (Serial No. **12150**) and the darkest limit of cream to light straw in U.S. Grade B is represented by No. 2, (Serial No. **12151**). October 1957 edition.

Price: **\$52.50**

X-Rite Incorporated
Munsell Color Services
4300 44th Street SE
Grand Rapids, MI 49512
Telephone: (877) 888-1720
Fax: (616) 803-2076
(800)-248-9748
www.xrite.com

Licensed supplier of the following products:

FROZEN FRENCH FRIED POTATOES

USDA color standards in the form of a printed one-page leaflet. Depicts a series of seven french fried potato units in graduated shades of "fry" color. For use in classifying color of frozen french fried potatoes, or other similarly fried products. Fifth edition, 2007.

Part No. **M600400** Price: **\$124.50 pack of five**

CANNED RIPE OLIVES

USDA color standards in the form of a bi-colored laminated vinyl chip. Depicts the two appropriate USDA composite color standards. For use in classifying color for canned ripe olives.

Part No. **M90056** Price: **\$65.75**

TOMATO PRODUCTS (Tomato Juice, Tomato Puree, Tomato Paste, and Tomato Catsup)

USDA color standards in the form of two bi-colored laminated vinyl chips. Represents selected minimum red color for USDA composite color standards as specified in the U.S. Standards for Grades of Tomato Juice, Tomato Paste, Tomato Puree, and Tomato Catsup for U.S. Grades "A" and "C". A spinner is not required to use this version of the tomato products color standards. Year 2000 edition.

Part No. **M90066** Price: **\$66.75**

CANNED TOMATOES

USDA color standard in the form of a laminated vinyl chip. The USDA canned tomatoes color standard represents minimum red color requirements as specified in the U.S. Standards for Grades of Canned Tomatoes, U.S. Grade "C" or better. September 2002 edition.

Part No. **423904** Price: **\$66.75**

CANNED PUMPKIN/SQUASH

USDA color standards in the form of a bi-colored laminated vinyl chip. The USDA canned pumpkin and canned squash color standards represent minimum color requirements as specified in the U.S. Standards for Grades of Canned Pumpkin and U.S. Standards for Grades of Canned Squash, U.S. Grade "A" and "C". November 2002 edition.

Part No. **424434** Price: **\$66.75**

FROZEN RED TART CHERRIES

USDA color standard in the form of a laminated vinyl chip. The USDA frozen red tart cherries color standard represents minimum red color requirements as specified in the U.S. Standards for Grades of Frozen Red Tart Pitted Cherries, U.S. Grade "A". May 2003 edition.

Part No. **424442** Price: **\$66.75**

HONEY

Two metal comparator racks with plastic color standards representing water white, extra white, white, extra light amber, light amber, and amber as specified in the U.S. Standards for Grades of Honey. Sample bottles are included. September 2003 edition.

Part No. **423405** Price: **\$156.00**

MOLASSES

Metal comparator rack with plastic color standards representing No.1, No.2, and No.3 as specified in the U.S. Standards for Grades of Molasses. Sample bottles are included. September 2003 edition.

Part No. **423404** Price: **\$130.00**

Visual Color Systems
P.O. Box 93
Mountaindale, New York 12763
Telephone: (845) 434-2646
Fax: (845) 434-6115
E-mail: mrchipz@visualcolorsystems.com
www.visualcolorsystems.com

Licensed supplier of the following products:

APPLE BUTTER

USDA color standards in the form of two bi-colored laminated vinyl chips. The USDA canned apple butter color standards represent minimum color requirements as specified in the U.S. Standards for Grades of Canned Apple Butter, U.S. Grade "A" and "C".
August 2002 edition.

Price: **\$85.00**

CANNED LIMA BEANS

USDA color standards in the form of a bi-colored laminated vinyl chip. Represents both lima bean green and lima bean white. For use in classifying color as specified in the U.S. Standards for Grades of Canned Lima Beans. August 2005 edition.

Price: **\$75.00**

Contact Processed Products Branch for the following items at:

USDA, AMS, FV, Processed Products Branch
Hunt Valley Professional Bldg., Suite 213
9 Schilling Road
Hunt Valley, MD 21031-8604
Telephone: (410) 584-9008, (866) 605-6322
Fax: (410) 527-0402

FROZEN LIMA BEANS

USDA color standards in the form of a bi-colored laminated vinyl chip. Represents both lima bean green and lima bean white (thin-seeded). For use in classifying color as specified in the U.S. Standards for Grades of Frozen Lima Beans, U.S. Grade "A", "B", and "C". May 1996 edition.
Price: **\$75.00**

CANNED MUSHROOMS

USDA color standards in plastic 2 x 3 inch color chips. Colors 1, 2, 3, 4, and 5 representing cap and gill color, applicable to the U.S. Standards for Grades of Canned Mushrooms, white or cream type, U.S. Grade "A" and "B".
Available as a set. Year 1997 edition.
Price: **\$115.00**

PEANUT BUTTER

USDA color standards in plastic 2 x 3 inch color chips. Colors 1, 2, 3, and 4 are available as a set as specified in the U.S. Standards for Grades of Peanut Butter, U.S. Grade "A" and "B". Year 1997 edition.
Price: **\$106.00**

CANNED PIMIENTOS

USDA color standards in the form of a bi-colored laminated vinyl chip. The color standards represent both pimiento red and pimiento reddish-yellow as specified in the U.S. Standards for Grades of Canned Pimientos. May 1996 and June 2003 editions.
Price: **\$75.00**

FROZEN PEAS

USDA color standards in the form of six laminated vinyl chips. Applicable to the U.S. Standards for Grades of Frozen Peas. Colors 1, 2, 3, 4, 5, and 6 are available as a set. April 2003 edition.

Price: **\$110.00**

CANNED CLINGSTONE PEACHES

USDA color standards in plastic 2 x 3 inch color chips. Colors CLA, CLB, and CLC are available as a set, applicable to the U.S. Standards for Grades of Canned Clingstone Peaches, U.S. Grade "A", "B", and "C". January 2001 edition.

Price: **\$108.00**

THE FOLLOWING COLOR STANDARDS ARE NO LONGER AVAILABLE BUT ARE STILL APPLICABLE

1. **Sugarcane Sirup** (previously supplied by Virtis Company). **Use USDA color standards for honey, "White," "Extra Light Amber," and "Light Amber" for sugar cane sirup designations No. 1, No. 2, and No. 3, respectively.**
2. **Sulphur Brined Cherries** (previously supplied by Munsell Color Services, X-Rite Inc., formerly GretagMacBeth)
3. **Canned Freestone Peaches** (previously supplied by Agtron Inc.)
4. **Frozen French Fried Potatoes, 4th Edition** (previously supplied by Munsell Color Services, X-Rite Inc., formerly GretagMacBeth)
5. **Tomato Products** (spinner disks, previously supplied by Munsell Color Services, X-Rite Inc.)
6. **Frozen Red Tart Cherries** (previously supplied by Agtron Inc.)
7. **Maple Sirup** (previously supplied by Munsell Color Services, X-Rite Inc.)